

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	63844	((coarse or macro or micro or mini or fine or electro adj static\$4 or electrostatic\$4 or two adj stage or dual or high adj resolution or auxiliary or secondary or supplemental) adj2 (position\$3 or actuation or actuator\$1 or motor or activat\$4 or motion\$3 or tune\$1 or tuning or adjust\$4)) or microactivat\$4 or microactuat\$3 or microposition\$3 miniposition\$3 or miniactivat\$3 or (piezo adj2 (motor\$1 or electric\$1)) or piezoelectric or PZT or lead adj (zirconium or zirconate) adj titanate or microelectromechanical or MEMS or micro adj electro adj mechanical or bimorph or monomorph or electrostrict\$5 or electro adj strict\$5 or ferroelectric\$6 or ferro adj electric\$5 or pervoski\$5 or SMA or shape adj memory) and (g11b\$.ipc. or record\$3 or reproduc\$5 or slider or transduc\$5 or dasd or direct adj access adj storage or memory or disk\$1 or disc\$1)	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 17:51
L2	217349	((coarse or macro or micro or mini or fine or electro adj static\$4 or electrostatic\$4 or two adj stage or dual or high adj resolution or auxiliary or secondary or supplemental) adj2 (position\$3 or actuation or actuator\$1 or motor or activat\$4 or motion\$3 or tune\$1 or tuning or adjust\$4)) or microactivat\$4 or microactuat\$3 or microposition\$3 miniposition\$3 or miniactivat\$3 or (piezo adj2 (motor\$1 or electric\$1)) or piezoelectric or PZT or lead adj (zirconium or zirconate) adj titanate or microelectromechanical or MEMS or micro adj electro adj mechanical or bimorph or monomorph or electrostrict\$5 or electro adj strict\$5 or ferroelectric\$6 or ferro adj electric\$5 or pervoski\$5 or SMA or shape adj memory)	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 15:17
L3	2845234	linear\$4 or translat\$6 or straightline or straight-line or insert\$5 or motion or movement or rectilinear\$4 or lineal\$4	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 17:36
L4	30161	2 and 3	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 11:24



## EAST Search History

L5	1975373	(disc\$1 or disk\$1 or data adj carrier\$1 or CD or iDVD or DVD-R or DVD-RW or DVD-ROM or LD or MD or ((record\$3 or storage or information\$2 or optical or data or magnetic\$4 or playback or play adj back) adj2 (media or medium or carrier\$1)) or DVD or CDROM or DVR or minidisk\$1 or minidisc\$1 or platter\$1 or DVDROM or DVDROM or CDV or SVCD or DVCD or VCD)	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 17:51
L6	3314	4 and 5	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 11:25
L7	652403	g11b\$.ipc.	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 11:25
L8	769	6 and 7	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 11:25
L9	12192921	rail\$1 or guid\$5 or track\$4 or teeth or tooth or sonic\$5 or vibra\$6 or load\$3 or unload\$ or insert\$6 or extract\$5 or remov\$5 or draw\$5 or inward\$4 or outward\$4 or expel\$7 or eject\$6 or evacuat\$6 or expuls\$7 or evict\$6 or (driv\$3 adj2 out) or discharg\$5 or install\$4 or inject\$6 or transport\$5 or extend\$3	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 17:37
L10	644	8 and 9	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 11:52
L17	124176	(piezo adj2 (motor\$1 or electric\$1)) or piezoelectric or PZT or lead adj (zirconium or zirconate) adj titanate	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:30
L18	2838	((piezo adj2 (motor\$1 or electric\$1)) or piezoelectric or PZT or lead adj (zirconium or zirconate) adj titanate) near3 (micromotor\$5 or minimotor\$4 or motor\$4)	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 15:19
L19	727	3 and 18	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 15:19
L20	537	9 and 19	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:21



## EAST Search History

L21	35438	h02N002/04.ipc. or h02N02/04.ipc. or h02N2/04.ipc. or "h02N002/04" or "h02N2/04" or h02N002/00.ipc. or h02N02/00.ipc. or h02N2/00.ipc. or "h02N002/00" or "h02N2/00" or h01L041/09.ipc. or h01L41/09.ipc. or "h01L041/09" or "h01L41/09" OR h01L041/08.ipc. or h01L41/08.ipc. or "h01L041/08" or "h01L41/08"	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:24
L22	2622	5 AND 21	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:25
L23	1374758	(data adj carrier\$1 or CD or iDVD or DVD-R or DVD-RW or DVD-ROM or LD or MD or ((record\$3 or storage or information\$2 or optical or data or magnetic\$4 or playback or play adj back) adj2 (media or medium or carrier\$1)) or DVD or CDROM or DVR or minidisk\$1 or minidisc\$1 or platter\$1 or DVDRAM or DVDROM or CDV or SVCD or DVCD or VCD)	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:26
L24	371057	(disc\$1 or disk\$1) and (record\$3 or storage or information\$2 or optical or data or magnetic\$4 or playback or play adj back)	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:28
L25	1624931	23 or 24	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:27
L26	1505	22 and 25	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:27
L27	268859	(disc\$1 or disk\$1) near3 (record\$3 or storage or information\$2 or optical or data or magnetic\$4 or playback or play adj back)	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:28
L28	1552245	23 or 27	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:28
L29	1367	22 and 28	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:28
L30	12817893	3 or 9	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:29
L31	1242	29 and 30	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:29



## EAST Search History

L32	836	17 and 31	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:30
L33	652403	g11b\$.ipc.	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:30
L34	111	32 and 33	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:38
L35	35752	g11b017\$.ipc.	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:38
L36	20	21 and 35	FPRS; EPO; JPO; DERWENT	ADJ	OFF	2007/07/11 16:38
L37	297037	((coarse or macro or micro or mini or fine or electro adj static\$4 or electrostatic\$4 or two adj stage or dual or high adj resolution or auxiliary or secondary or supplemental) adj2 (position\$3 or actuation or actuator\$1 or motor or activat\$4 or motion\$3 or tune\$1 or tuning or adjust\$4)) or microactivat\$4 or microactuat\$3 or microposition\$3 miniposition\$3 or miniactivat\$3 or (piezo adj2 (motor\$1 or electric\$1)) or piezoelectric or PZT or lead adj (zirconium or zirconate) adj titanate or microelectromechanical or MEMS or micro adj electro adj mechanical or bimorph or monomorph or electrostrict\$5 or electro adj strict\$5 or ferroelectric\$6 or ferro adj electric\$5 or pervoski\$5 or SMA or shape adj memory)	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 16:52
L38	914	720/617-629.ccls.	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 16:53
L39	47	37 and 38	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 16:53
L40	19644	((piezo adj2 (motor\$1 or electric\$1)) or piezoelectric or PZT or lead adj (zirconium or zirconate) adj titanate)). ti,ab.	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 17:35
L41	131483	(linear\$4 or translat\$6 or straightline or straight-line or rectilinear\$4 or lineal\$4).ti,ab.	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 17:36
L42	670	40 and 41	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 17:36



## EAST Search History

L43	1830854	(rail\$1 or guid\$5 or track\$4 or teeth or tooth or sonic\$5 or vibra\$6 or load\$3 or unload\$ or insert\$6 or extract\$5 or remov\$5 or draw\$5 or inward\$4 or outward\$4 or expel\$7 or eject\$6 or evacuat\$6 or expuls\$7 or evict\$6 or (driv\$3 adj2 out) or discharg\$5 or install\$4 or inject\$6 or transport\$5 or extend\$3).ti,ab.	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 17:37
L44	289	42 and 43	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 17:38
L45	233	@ad<="20021209" and 44	US-PGPUB; USPAT	ADJ	OFF	2007/07/11 17:38
L46	1028	((coarse or macro or micro or mini or fine or electro adj static\$4 or electrostatic\$4 or two adj stage or dual or high adj resolution or auxiliary or secondary or supplemental) adj2 (position\$3 or actuation or actuator\$1 or motor or activat\$4 or motion\$3 or tune\$1 or tuning or adjust\$4)) or microactivat\$4 or microactuat\$3 or microposition\$3 miniposition\$3 or miniactivat\$3 or (piezo adj2 (motor\$1 or electric\$1)) or piezoelectric or PZT or lead adj (zirconium or zirconate) adj titanate or microelectromechanical or MEMS or micro adj electro adj mechanical or bimorph or monomorph or electrostrict\$5 or electro adj strict\$5 or ferroelectric\$6 or ferro adj electric\$5 or pervoski\$5 or SMA or shape adj memory)	IBM_TDB	ADJ	OFF	2007/07/11 17:51
L47	8122	(disc\$1 or disk\$1 or data adj carrier\$1 or CD or iDVD or DVD-R or DVD-RW or DVD-ROM or LD or MD or ((record\$3 or storage or information\$2 or optical or data or magnetic\$4 or playback or play adj back) adj2 (media or medium or carrier\$1)) or DVD or CDROM or DVR or minidisk\$1 or minidisc\$1 or platter\$1 or DVDRAM or DVDROM or CDV or SVCD or DVCD or VCD)	IBM_TDB	ADJ	OFF	2007/07/11 17:52
L48	180	46 and 47	IBM_TDB	ADJ	OFF	2007/07/11 17:52